

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



10 Rec'd PCT/PTO 07 JAN 2005



(43) International Publication Date  
15 January 2004 (15.01.2004)

PCT

(10) International Publication Number  
**WO 2004/005169 A1**

(51) International Patent Classification<sup>7</sup>: **B65G 47/66**

(21) International Application Number:  
PCT/NL2003/000504

(22) International Filing Date: 9 July 2003 (09.07.2003)

(25) Filing Language: Dutch

(26) Publication Language: English

(30) Priority Data:  
1021038 9 July 2002 (09.07.2002) NL

(71) Applicant (for all designated States except US): MCC  
NEDERLAND B.V. [NL/NL]; Einsteinstraat 1, NL-2691  
GV 's-Gravenzande (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): DE GEUS, Sjoerd  
[NL/NL]; Nijverheidsstraat 97, NL-2622 GB Delft (NL). VER-  
DUIJN, Gijsbertus, Johannes [NL/NL]; Zeggelaan 77,  
NL-4844 SC Terheijden (NL).

(74) Agent: PRINS, A.W.; Nieuwe Parklaan 97, NL-2587 BN  
Den Haag (NL).

(81) Designated States (national): AE, AG, AL, AM, AT (util-  
ity model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,

CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (util-  
ity model), DE, DK (utility model), DK, DM, DZ, EC, EE  
(utility model), EE, ES, FI (utility model), FI, GB, GD, GE,  
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ,  
LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,  
MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO,  
RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ,  
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,  
ZM, ZW.

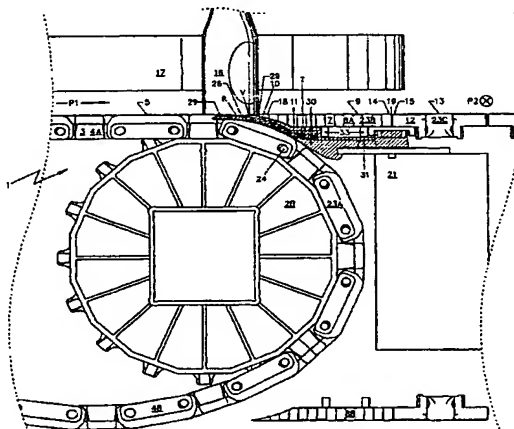
(84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: CONVEYING SYSTEM WITH A SLIDE-OVER DEVICE BETWEEN TWO BELT CONVEYORS, SLIDE-OVER  
DEVICE AND INTERMEDIATE ELEMENT WITH A SLIDE-OVER SURFACE



(57) Abstract: A conveying system (1), comprising an endless first conveyor belt (3) circulating between at least first and second (2B) divert elements, a top run (4A) of the first conveyor belt (3) forming a first conveying surface (5) movable between the divert elements in a first conveying direction (P1), and an endless second conveyor belt (7) circulating between at least third and fourth divert elements, the top run (8A) of the second conveyor belt (7) forming a movable second conveying surface (9) movable between the divert elements in a second conveying direction (P2), the second conveyor belt (7) extending at least partly above and along the second divert element (2B), so that the first (3) and second (7) conveyor belts, while including a gap-shaped interspace (10), are in mutually transverse alignment. In the interspace (10), intermediate elements (T), in particular fingers, are arranged that bridge the gap between the first (5) and the second (9) conveying surface.